

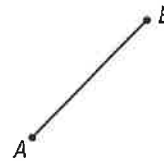


1-2 Additional Practice

Basic Constructions

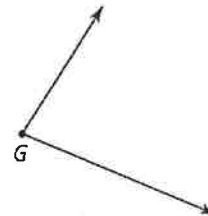
For Exercises 1–3, use the ray with endpoint M .

1. Explain how you can use a compass to mark point N on the ray with endpoint M so that \overline{MN} is a copy of \overline{AB} .
2. Mark point N .
3. Construct the perpendicular bisector of MN .



For Exercises 4–6, use \overline{PQ} .

4. Explain how you can use point Q to find point R such that $\angle RPQ$ is a copy of $\angle G$.



5. Draw $\angle RPQ$.
6. Construct the angle bisector of $\angle RPQ$.



7. **Understand** In the figure at the right, $\angle M$ is bisected twice to form $\angle K$. How much smaller than $\angle M$ is $\angle K$?

8. **Apply** A 50-ft \times 300-ft parking lot is divided into sections for a craft fair by bisecting the width and the length. Each half is again bisected in length and width, forming 16 sections in all. What are the dimensions and area of each section? Show your work.

